Owner's Guide

Cascade Master Series® Touch Pad

(For Cascade® and Radius® Chair-Mounted Handpiece Control Delivery Systems)

a-dec®

85.2627.00

Warranty Information

Serial Number N/A

Model Number N/A

Date Purchased _____

Date of Service	Model/Description of Service	Technician's Initials

For service information contact your local authorized A-dec dealer.

Check with local codes and A.D.A. (Americans with Disabilities Act) requirements for installation of this product.

A-dec warrants its products against defects in material or workmanship for one year from time of delivery (except for handpieces which have a warranty period of six months). A-dec's sole obligation under the warranty is to provide parts for the repair, or at its option, to provide the replacement product (excluding labor). The buyer shall have no other remedy. (All special, incidental, and coincidental damages are excluded.) Written notice of breach of warranty must be given to A-dec within the warranty period. The warranty does not cover damage resulting from improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilization chemicals and processes. The warranty also does not cover light bulbs. Failure to follow instructions provided in A-dec's Operation and Maintenance Instructions (Owner's Guide) may void the warranty.

NO OTHER WARRANTIES AS TO
MERCHANTABILITY OR OTHERWISE ARE MADE

a-dec®

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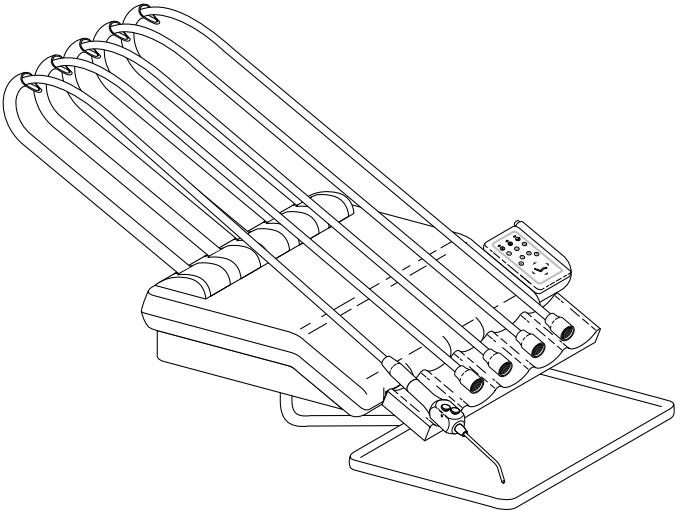
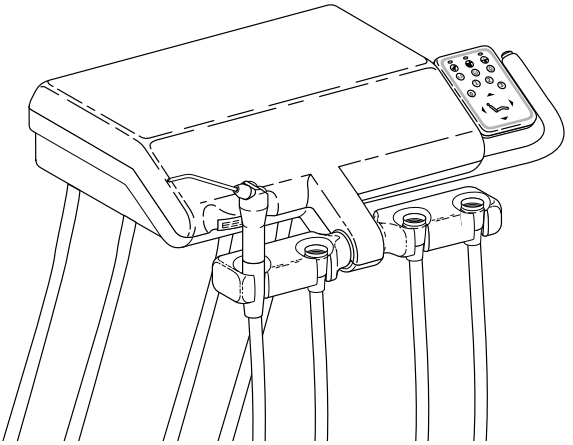


Cascade Master Series Touch Pad
on Cascade Continental-style Control head



Cascade Master Series Touch Pad
on Radius Traditional-style Control head

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Delivery System Controls

The LED displays above the master on/off, air coolant on/off, and water coolant on/off controls illuminate when the control function is turned ON.

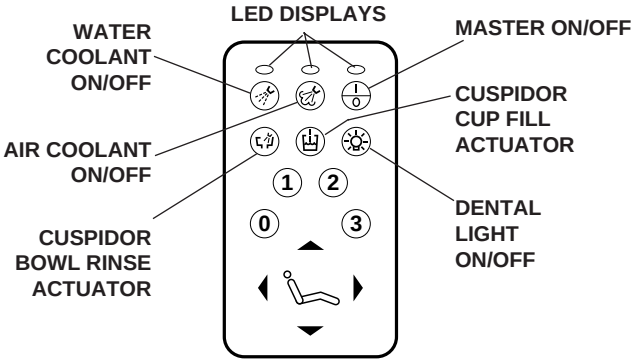

Figure 1. Master Series Touch Pad with Cuspidor Functions

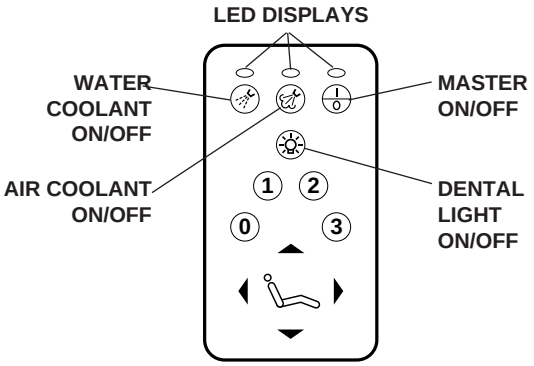

Figure 2. Master Series Touch Pad without Cuspidor Functions

Master On/Off:
Air, water, and electrical power to the handpiece control system, dental light, and dental chair are turned on or off when pressed. The unit should be OFF whenever it is not in use.

Air Coolant On/Off:
When pressed, air coolant to the handpiece is turned on or off. *(Refer to your Cascade Handpiece Control System Owner's Guide for air coolant flow adjustment.)*

Water Coolant On/Off:
When pressed, water coolant to the handpiece is turned on or off. *(Refer to your Cascade Handpiece Control System Owner's Guide for water coolant flow adjustments.)*

Dental Light On/Off:
When pressed, it turns the dental light on or off. *(Refer to your 6300 Dental Light Owner's Guide for light adjustments.)*

Cuspidor Cup Fill Actuator:
Activates the cuspidor cup fill. Water will flow from the cup fill spout for approximately four seconds. *(Refer to your Cascade 7284 and Radius 7285 Cuspidor Owner's Guide for cup fill adjustments.)*

Cuspidor Bowl Rinse Actuator:
Activates the cuspidor bowl rinse. The bowl rinse will flow for approximately 15–20 seconds. *(Refer to your Cascade 7284 and Radius 7285 Cuspidor Owner's Guide for bowl rinse flow adjustments.)*

Chair Controls

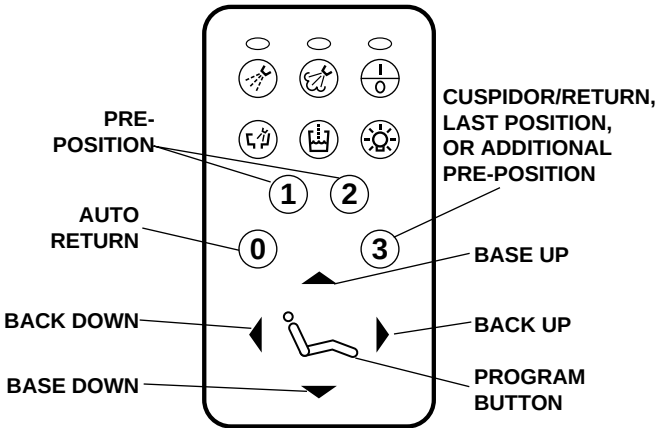

Figure 3. Master Touch Pad, Chair Controls

For complete instructions to the touch pad chair control functions, refer to the **Cascade 1040 Chair Owner's Guide** *(A-dec Publication No. 85.2605.00)* or **Decade 1011/1021 Chair Owner's Guide** *(85.2635.00).*

Foot Control

The foot control *(see Figure 4)* modulates drive air to the active handpiece and provides an air signal that turns on air and water coolant flow. The foot control is operated by light foot pressure applied to any part of the foot control disc.

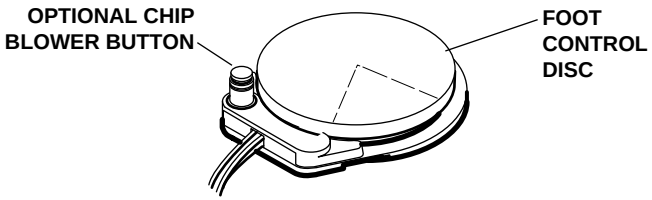

Figure 4. Foot Control

Products List | Print | Table of Contents

The optional **chip blower button** *(see Figure 4)*, sends a jet of air through the handpiece when it is not running.

Air Signal Valve Manifold Assembly

The **air signal valve manifold assembly** *(see Figure 5)*, located in the Cascade post box or in the Master junction box on the Radius chair-mount adapter, directs air signals which turn the unit and light functions on or off. Each signal valve has its own indicator to visually indicate whether the valve is on or off.

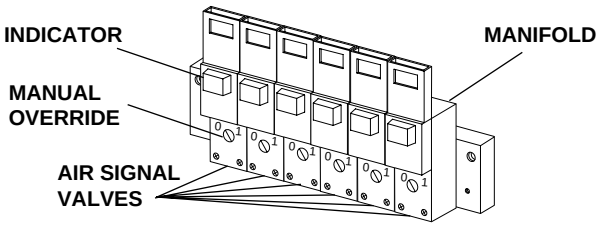

Figure 5. Air Signal Valve Manifold Assembly
(Radius-style manifold shown)

Each air signal valve has a manual override feature which can allow the operator continued use of a unit function while by-passing the Master touch pad. *(Refer to Manual Override of the Air Signal Valve on page 6.)*

Manual Override of the Air Signal Valve

Note

If your dental unit has a malfunctioning air signal valve, the system can remain in use by using the air signal valve manual override. Manual override is available to keep the unit working—it is only a temporary solution.

Manual override is a means of turning the Master Touch Pad function ON. The function will remain ON until the unit has been turned OFF or the function has been manually turned OFF.

DO NOT use manual override for cuspidor functions. Instead, use the actuator buttons located on top of the cuspidor (refer to your cuspidor ***Owner's Guide***).

Accessing the Manual Override

If you have a Cascade unit, remove the post box cover *(see Figure 6 and Figure 7 on page 7)*.

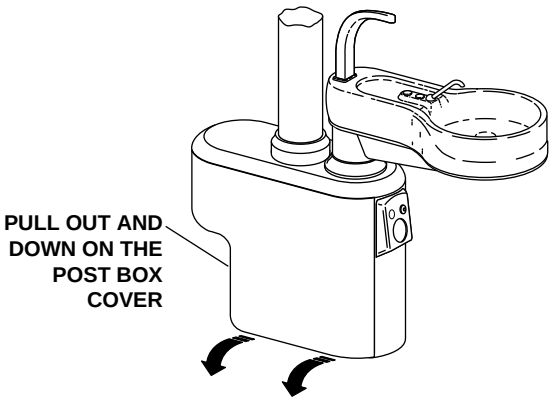

Figure 6. Remove the Post Box Cover

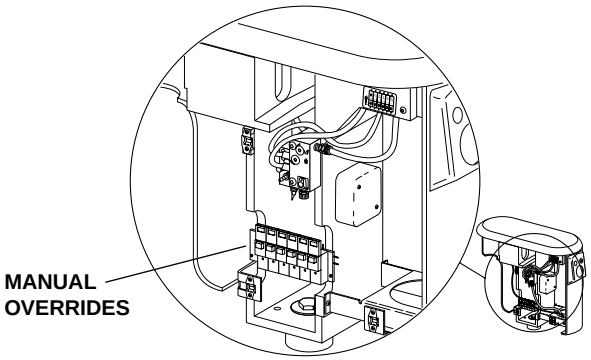

Figure 7. Manual Overrides Location
(Shown on Cascade post box)

If you have a Radius unit, raise the chair to full base up. Locate the Master junction box mounted on the chair-mount adapter *(see Figure 8)* then locate the window to the manual overrides on the side of the junction box cover.

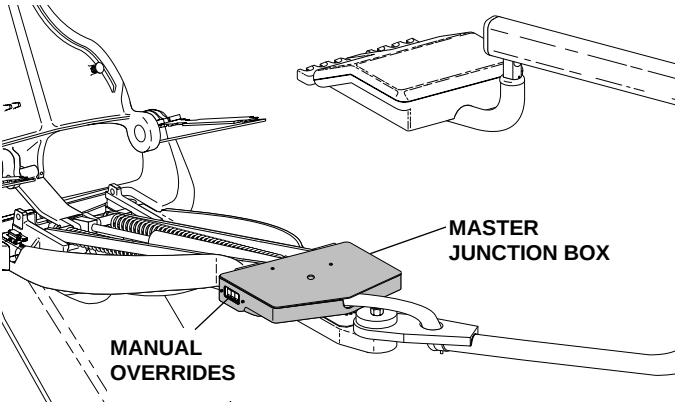

Figure 8. Master Junction Box Location
(Shown on Cascade 1040 Chair)

Manual Override

To turn a function ON, locate the override on/off (orange) selector on the air signal valve *(see Figure 9)*. Using the small narrow-tipped screwdriver provided with the unit, *carefully* turn the override on/off selector clockwise a 1/4 turn to the ON (1) position. **Do not** turn the override on/off selector beyond the ON (1) position.

Caution

Use minimal force when adjusting the override on/off selector *(see Figure 9)*. Excessive force or turning the override on/off selector too far will permanently damage the air signal valve.

When the manual override is used, the indicator on the air signal valve will not illuminate (see Figure 9). Manual override is a means of turning a Master touch pad function ON. The function will remain ON until the unit has been turned OFF or the air signal valve has been manually turned OFF.

To turn the air signal valve off, *carefully* turn the override on/off selector counterclockwise 1/4 turn to the OFF (O) position. **DO NOT** turn the override on/off selector beyond the OFF (O) position.

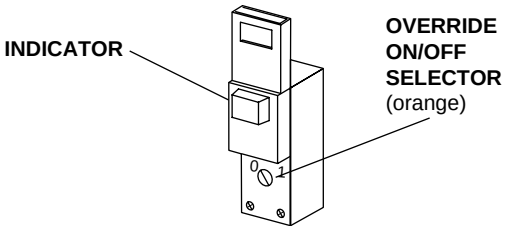

Figure 9. Air Signal Valve

Care Instructions

For recommended asepsis instructions, refer to ***Equipment Asepsis Owner's Guide*** (*A-dec Publication No. 85.0696.00).*

Maintenance

Care Instructions
Equipment Asepsis Owner's Guide *85.0696.00*
Parts
Maintenance Parts Owner's Guide *85.2634.00*

Adjustments and Specifications

Manual Override of the Air Signal Valve .....*page 6*
Chair Touch Pad Instructions
Cascade 1040 Chair Owner's Guide *85.2605.00*
Decade 1011/1021 Chair Owner's Guide *85.2635.00*

Specifications are subject to change without notice.

Identification of Symbols

Recognized by Underwriters Laboratories Inc. ® with respect to electric shock, fire and mechanical hazards only in accordance with UL 2601-1. Recognized with respect to electric shock, fire, mechanical and other specified hazards only in accordance with CAN/CSA C22.2, No. 601.1.

UL listed to US (UL 544) and Canadian (CAN/CSA C22.2, No. 125) safety standards.

Classified by Underwriters Laboratories Inc. ® with respect to electric shock, fire and mechanical hazards only in accordance with UL 2601-1. Classified with respect to electric shock, fire, mechanical and other specified hazards only in accordance with CAN/CSA C22.2, No. 601.1.

Conforms to European Directives *(refer to Declaration Statement)*

Protective earth (ground).

Functional earth (ground).

Attention, consult accompanying documents.

TYPE B APPLIED PART.

CLASS II EQUIPMENT.

Classification of Equipment (EN 60601-1)

Type of shock protection:

CLASS I EQUIPMENT
(Dental Chairs, Dental Lights, & Power Supplies)

CLASS II EQUIPMENT
(Chair, Wall, & Cart Mounted Delivery Systems)

Degree of shock protection:
TYPE B APPLIED PART (All products)

Degree of protection against water ingress:
ORDINARY EQUIPMENT (All products)

Mode of operation
CONTINUOUS OPERATION
(All models except Dental Chairs)

Mode of operation
CONTINUOUS OPERATION
WITH INTERMITTENT LOADING (Dental Chairs)

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